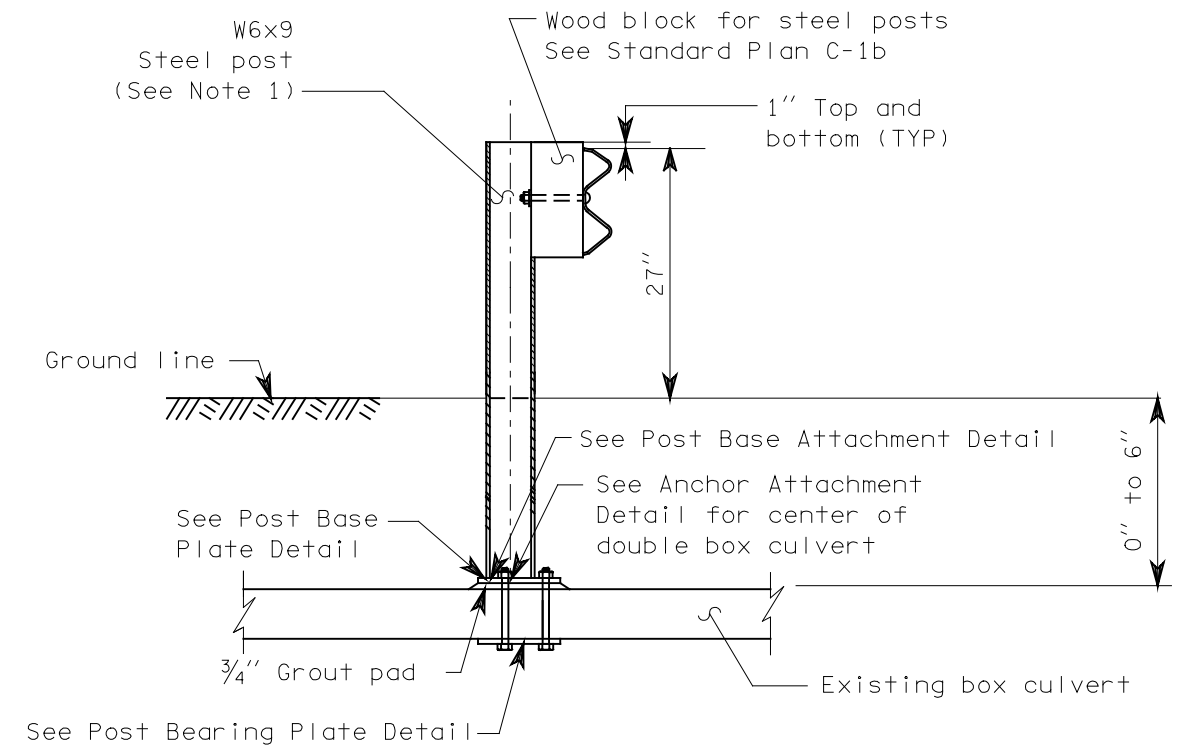
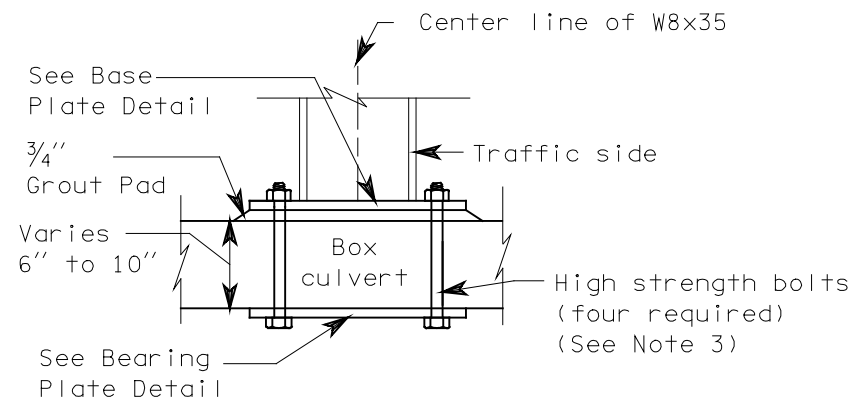


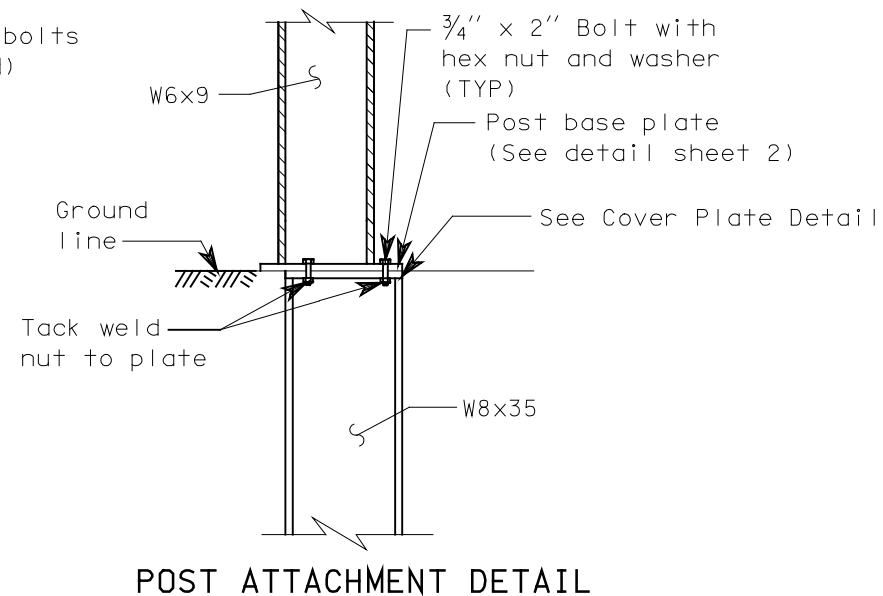
BOX CULVERT GUARDRAIL STEEL POST TYPE 1
(6" to 36" ground cover)



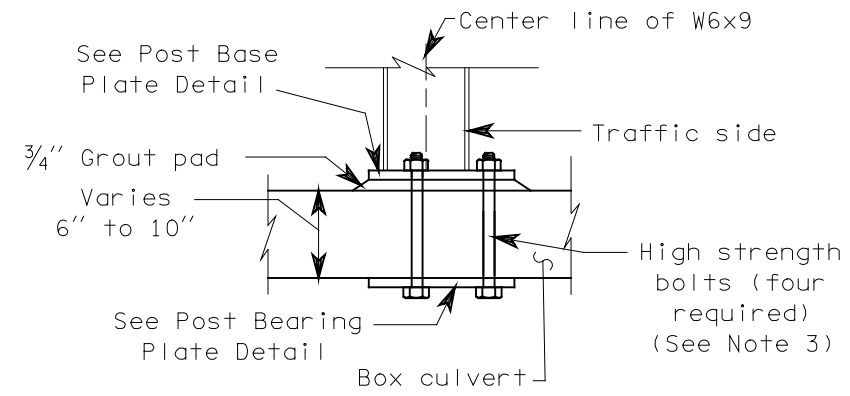
BOX CULVERT GUARDRAIL STEEL POST TYPE 2
(0" to 6" Ground cover)



BASE ATTACHMENT DETAIL



POST ATTACHMENT DETAIL



POST BASE ATTACHMENT DETAIL



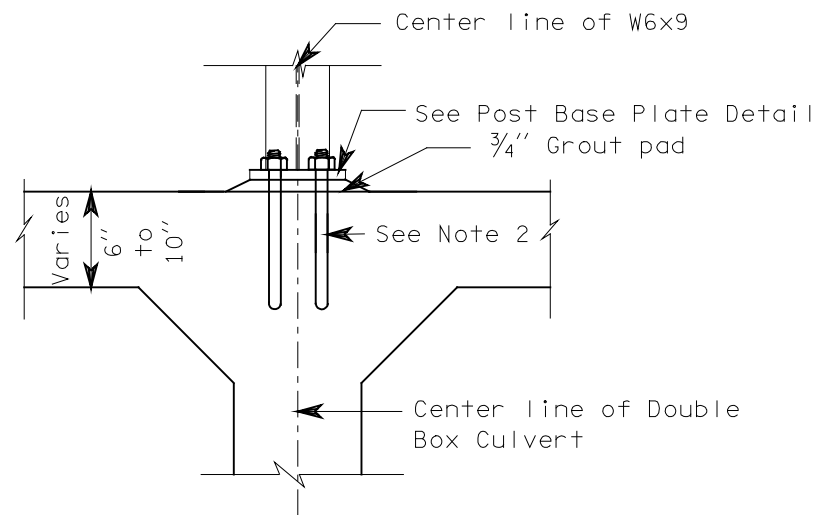
EXPIRES MAY 3, 2000

**BOX CULVERT GUARDRAIL
STEEL POST
STANDARD PLAN C-10**

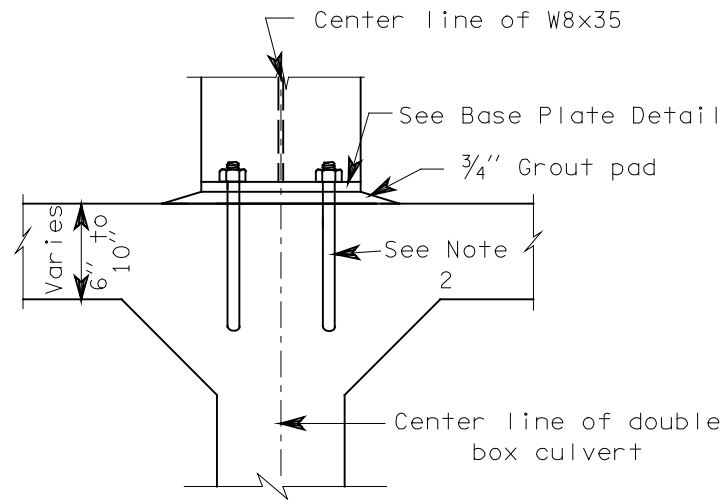
SHEET 1 OF 2 SHEETS

<small>NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.</small>			APPROVED FOR PUBLICATION	
6/98		Added wood block for steel posts.	RBA	DATE
DATE	REVISION		BY	7 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION OLYMPIA, WASHINGTON

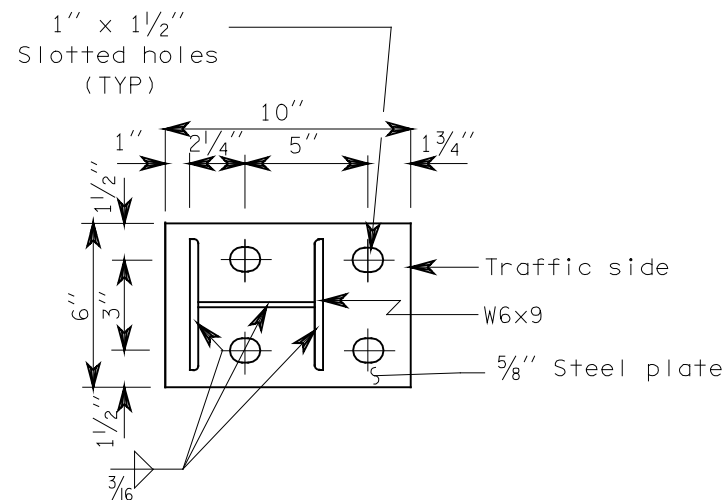
Clifford E. Mansfield 07/31/98
DEPUTY STATE DESIGN ENGINEER
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON



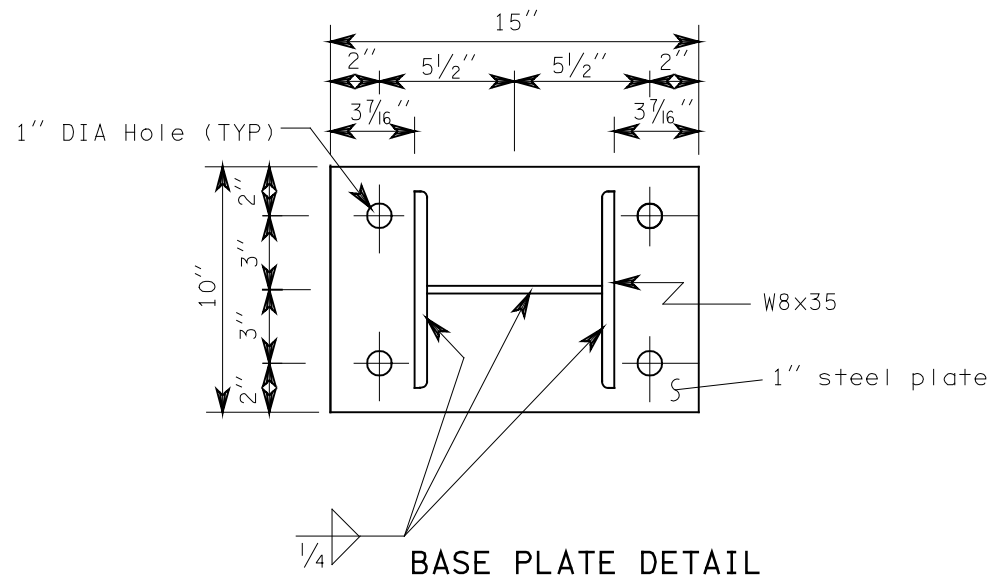
POST ANCHOR ATTACHMENT DETAIL
(See Note 4)



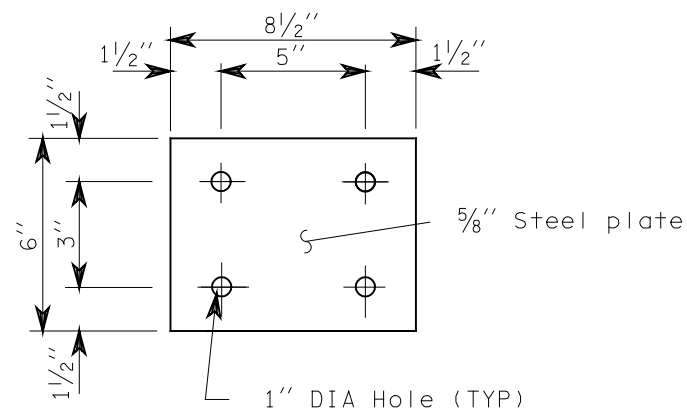
ANCHOR ATTACHMENT DETAIL
(See Note 4)



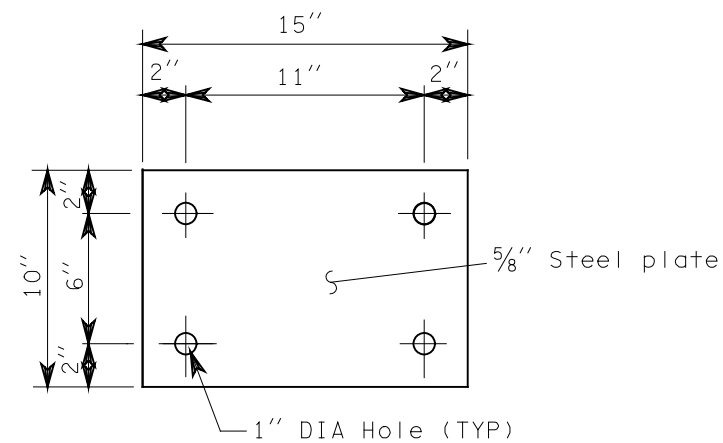
POST BASE PLATE DETAIL



BASE PLATE DETAIL



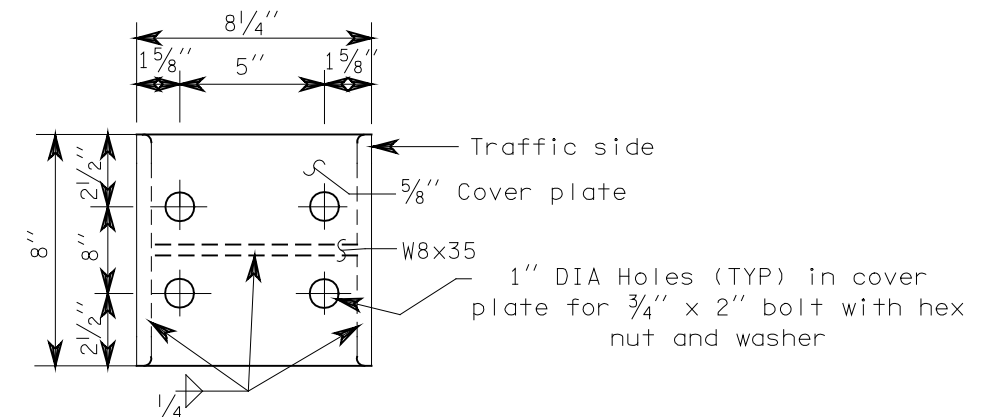
POST BEARING PLATE DETAIL



BEARING PLATE DETAIL

NOTES

1. Length of W8x35 and W6x9 shall be determined by measurement from top of ground to top of grout pad. This distance shall be verified by the contractor.
2. Attach guardrail post to box culvert with 3/4 inch high strength bolts with resin bonded anchors.
3. Drill 1 1/4 inch diameter hole in concrete slab for 7/8 inch high strength bolts. Length of bolt is determined by top slab of box culvert thickness which shall be verified by the contractor.
4. For details of post attachment to double box culvert see Standard Plan "Guardrail Placement," Case 15.



COVER PLATE DETAIL



EXPIRES MAY 3, 2000

BOX CULVERT GUARDRAIL STEEL POST STANDARD PLAN C-10

SHEET 2 OF 2 SHEETS

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

APPROVED FOR PUBLICATION

Clifford E. Mansfield 07/31/98

DEPUTY STATE DESIGN ENGINEER DATE
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON